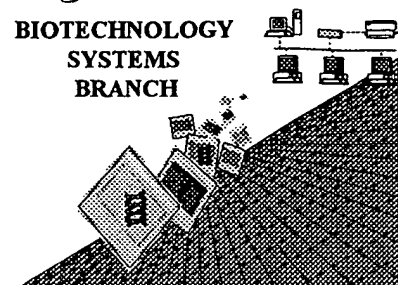


RAW SEQUENCE LISTING

ERROR REPORT

UJL
BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/454,651

Art Unit / Team No. : 01PE

Date Processed by STIC: 12/20/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/454,651DATE: 12/20/1999
TIME: 16:47:48

INPUT SET: S34294.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

(1) General Information:

(i) APPLICANT: Linsley, Peter S.
Ledbetter, Jeffrey A.
Damle, Nitin K.
Brady, William
Wallace, Philip M.

(ii) TITLE OF THE INVENTION: CTLA4/CD28Ig HYBRID FUSION
PROTEINS AND USES THEREOF

--> (iii) NUMBER OF SEQUENCES: 22 *see p. 3*

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Merchant & Gould
(B) STREET: 11150 Santa Monica Boulevard, Suite 400
(C) CITY: Los Angeles
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 90025

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ Version 2.0

(vi) CURRENT APPLICATION DATA:

--> (A) APPLICATION NUMBER: 08/228,208
(B) FILING DATE: 15-APR-1994
(C) CLASSIFICATION:

*these go under PRIOR APP.
DATA*

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/008,898
(B) FILING DATE: 22-JAN-1993

(A) APPLICATION NUMBER: 07/723,617
(B) FILING DATE: 27-JUN-1991

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Adriano, Sarah B
(B) REGISTRATION NUMBER: 34,470

RAW SEQUENCE LISTING PATENT APPLICATION US/09/454,651

DATE: 12/20/1999
TIME: 16:47:48

INPUT SET: S34294.raw

46 (C) REFERENCE/DOCKET NUMBER: 30436-30US01
47
48 (ix) TELECOMMUNICATION INFORMATION:
49 (A) TELEPHONE: 310 445-1140
50 (B) TELEFAX: 310 445-9031
51 (C) TELEX:
52
53

ERRORED SEQUENCES FOLLOW:

334 (2) INFORMATION FOR SEQ ID NO:17:
335

336 (i) SEQUENCE CHARACTERISTICS:

337 (A) LENGTH: 186 amino acids
338 (B) TYPE: amino acid
339 (C) STRANDEDNESS: unknown
340 (D) TOPOLOGY: linear
341

342 (ii) MOLECULE TYPE: protein
343

344 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
345
346

347 Met Ala Cys Leu Gly Phe Gln Arg His Lys Ala Gln Leu Asn Leu Ala
348 1 5 10 15
349 Ala Pro Thr Trp Pro Cys Thr Leu Leu Phe Phe Leu Leu Phe Ile Pro
350 20 25 30
351 Val Phe Cys Lys Ala Met His Val Ala Gln Pro Ala Val Val Leu Ala
352 35 40 45
353 Ser Ser Arg Gly Ile Ala Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly
354 50 55 60
355 Lys Ala Thr Glu Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln
356 65 70 75 80
357 Val Thr Glu Val Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr
358 85 90 95
359 Phe Leu Asp Asp Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val
360 100 105 110
361 Asn Leu Thr Ile Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile
362 115 120 125
363 Cys Lys Val Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly
364 130 135 140
365 Asn Gly Thr Gln Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser
366 145 150 155 160
367 Asp Phe Leu Leu Trp Ile Leu Ala Ala Val Ser Ser Gly Leu Phe Phe
368 165 170 175
369 Tyr Ser Phe Leu Leu Thr Ala Val Ser Leu Ser Lys Met Leu Lys Lys
370 180 185 190
371 Arg Ser Pro Leu Thr Thr Gly Val Tyr Val Lys Met Pro Pro Thr Glu
372 195 200 205

223 shown (p.3)

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/454,651DATE: 12/20/1999
TIME: 16:47:49

INPUT SET: S34294.raw

373 Pro Glu Cys Glu Lys Gln Phe Gln Pro Tyr Phe Ile Pro Ile Asn
374 210 215 220
375
376

418 (2) INFORMATION FOR SEQ ID NO:19:

419

420 (i) SEQUENCE CHARACTERISTICS:

-->

421 (A) LENGTH: 218 amino acids

160 shown

422 (B) TYPE: amino acid

423 (C) STRANDEDNESS: unknown

424 (D) TOPOLOGY: linear

425

426 (ii) MOLECULE TYPE: protein

427

428 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

429

430 Met Thr Leu Arg Leu Leu Phe Leu Ala Leu Asn Phe Phe Ser Val Gln

431 1 5 10 15

432 Val Thr Glu Asn Lys Ile Leu Val Lys Gln Ser Pro Leu Leu Tyr Val

433 20 25 30

434 Asp Ser Asn Glu Val Ser Leu Ser Cys Arg Tyr Ser Tyr Asn Leu Leu

435 35 40 45

436 Ala Lys Glu Phe Arg Ala Ser Leu Tyr Lys Gly Val Asn Ser Asp Val

437 50 55 60

438 Glu Val Cys Val Gly Asn Gly Asn Phe Thr Tyr Gln Pro Gln Phe Arg

439 65 70 75 80

440 Ser Asn Ala Glu Phe Asn Cys Asp Gly Asp Phe Asp Asn Glu Thr Val

441 85 90 95

442 Thr Phe Arg Leu Trp Asn Leu His Val Asn His Thr Asp Ile Tyr Phe

443 100 105 110

444 Cys Lys Ile Glu Phe Met Tyr Pro Pro Tyr Leu Asp Asn Glu Arg

445 115 120 125

446 Ser Asn Gly Thr Ile Ile His Ile Lys Glu Lys His Leu Cys His Thr

447 130 135 140

448 Gln Ser Ser Pro Lys Leu Phe Trp Ala Leu Tyr Val Val Ala Gly Val

449 145 150 155 160

450

451

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submitted file ends at

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/454,651

DATE: 12/20/1999
TIME: 16:47:49

INPUT SET: S34294.raw

Line	Error	Original Text
14	Number of Sequences (22) Doesn't Equal Actual Count (19)	(iii) NUMBER OF SEQUENCES: 22
31	Wrong application Serial Number	(A) APPLICATION NUMBER: 08/228,208
337	Entered (186) and Calc. Seq. Length (223) differ	(A) LENGTH: 186 amino acids
421	Entered (218) and Calc. Seq. Length (160) differ	(A) LENGTH: 218 amino acids